



P22518.A04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : SUSAKI, Hiroshi et al.

Group Art Unit: 1646

Appln. No. : 10/822,661

Examiner: Unknown

Filed : April 13, 2004

For : DDS COMPOUNDS AND METHOD FOR ASSAYING THE SAME

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
U.S. Patent and Trademark Office  
220 20th Street S.  
Customer Window, Mail Stop \_\_\_\_\_  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington VA 22202

Sir:

In accordance with Applicants' duty of disclosure under 37 C.F.R. 1.56, Applicants hereby submit the following Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98, and in conformance with MPEP 609 and 37 C.F.R. 1.98(d).

Applicants hereby make of record the Information Disclosure Statements filed October 9, 2001, February 24, 2003, and June 30, 2004 as well as the resubmission of the Information Disclosure Statement filed October 9, 2001 on August 5, 2002 and Resubmission of Documents from the October 9, 2001 Information Disclosure Statement on August 7, 2002, and the information cited by the Examiner in the Office Actions and Notice of Allowability mailed August 22, 2002, October 31, 2003, and April 7, 2004 in parent Application No. 09/807,980.

The Examiner is respectfully requested to consider the information cited in the parent application, and to make the documents cited therein of record in the instant application.

Applicants note that copies of documents have been submitted in parent Application No. 09/807,980. Accordingly, pursuant to 37 C.F.R. 1.98(d), copies of the documents are not being

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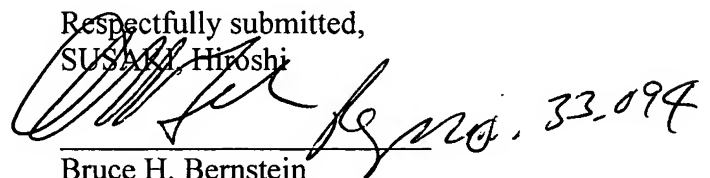
submitted herewith, and the Examiner is invited to review and consider the documents in the parent application. Of course, should any of the documents not be readily available to the Examiner, the Examiner is requested to contact the undersigned and additional copies will be submitted.

Applicants note that a divisional application of Application No. 09/147,342, which matured into U.S. Patent No. 6,436,912, cited in the parent application has filed and published as US 2003/0171262 A1 on September 22, 2003. Moreover, U.S. Application No. 09/674,526 cited in the October 9, 2001 Information Disclosure Statement remains pending. A copy of this U.S. patent publication is enclosed.

For the convenience of the Examiner, the above-noted documents cited in the parent application are listed on the attached Forms PTO-1449 with the exception of the U.S. applications which are not publications. Moreover, as noted above a copy of US 2003/0171262 A1 is enclosed and this document is listed on the Forms PTO-1449. The Examiner is requested to initial the Forms PTO-1449, and to return the initialed copy with the next communication from the U.S. Patent and Trademark Office.

Should the Examiner have any questions or comments regarding this matter, the undersigned may be contacted at the below-listed telephone number.

Respectfully submitted,  
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July 13, 2004  
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P22518Serial No.  
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BY APPLICANT  
(Use several sheets if necessary)Applicant  
Hiroshi SUSAKI et al.Filing Date  
October 29, 1999Group  
1654

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 6 5 8 5 9 2	08/19/97	TANIHARA et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	0 7 1 2 6 3 5	05/22/96	E.P.O.			
5 -	1 7 8 9 8 6	07/20/93	JAPAN			
5 -	2 2 2 1 8 7	08/31/93	JAPAN			
6 -	8 7 7 4 6	03/29/94	JAPAN			
7 -	7 0 3 1 1	03/14/95	JAPAN			
7 -	2 2 8 6 8 8	08/29/95	JAPAN			
7 -	8 4 4 8 1	09/13/95	JAPAN			
8 -	8 5 7 0 3	04/02/96	JAPAN			
9 -	1 1 8 6 9 9	05/06/97	JAPAN			
8 -	3 1 9 3 1 7	12/03/96	JAPAN			
2	7 7 4 4 1 7	08/10/93	JAPAN			
5 -	2 0 2 0 8 5	08/10/93	JAPAN			
2	7 7 4 4 2 9	01/18/94	JAPAN			
9 4	/ 1 9 3 7 6	09/01/94	W.I.P.O.			
9 7	/ 4 6 2 6 0	12/11/97	W.I.P.O.			
9 9	/ 6 1 0 6 1	12/02/99	W.I.P.O.			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	English Language Abstract of JP 5-178986.
2	English Language Abstract of JP 5-222187.
3	English Language Abstract of JP 6-87746.
4	English Language Abstract of JP 7-70311.
5	English Language Abstract of JP 7-228688.
6	Cover Sheet of WO 92/14759.

EXAMINER

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

7	English Language Abstract of JP 8-85703.
8	English Language Abstract of JP 9-118699.
9	English Language Abstract of JP 8-319317.
1 0	English Language Abstract of JP 2774417.
1 1	English Language Abstract of JP 5-202085.
1 2	English Language Abstract of JP 2774429.
1 3	Abstracts of 10th Meeting of the Japan Society of Drug Delivery System. pp. 279 (1994).
1 4	Abstracts of 9th Annual Meeting of Japanese Society for the Study of Xenobiotics, Metabol. And Dispo. Vol. 9, Supplement, pp. S27, S27, S292 (1994).
1 5	Abstracts of 19th Seminar of Trends in Research and Development, pp. D-9 to D12, (1995).
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1 7	Naokazu MURAHASHI et al., "Hepatic Accumulation of Glutamic Acid Branched Neogalactosyllipid Modified Liposomes", Biol. Pharm. Bull., Vol. 20, No. 3, pp. 259-264 (1997).
1 8	Tamio SUGAWARA et al., "Synthesis of 8-Aminooctyl glycopyranosides and of their Conjugates with Poly(L-Glutamic Acid) having a 2-(4-hydroxyphenyl)ethylamino Group for Radiolabeling", Carbohydrate Research, Vol. 238, pp. 163-184 (1993).
1 9	Hideki HIRABAYASHI et al., "Development and Pharmacokinetics of Galactosylated Poly-L-GLutamic Acid as a Biodegradable Carrier for Liver-Specific Drug Delivery", Pharmaceutical Research, Vol. 13, No. 6, pp. 880-884 (1996).
2 0	Akinori GONSHO et al., "Tissue-Targeting Ability of Saccharide-Poly(L-Lysine) Conjugates", Biol. Pharm. Bull., Vol. 17, No. 2, pp. 275-282 (1994).
2 1	Makiya NISHIKAWA et al., "Synthesis and Pharmacokinetics of a New Liver-Specific Carrier, Glycosylated Corboxymethyl-Dextran, and Its Application to Drug Targeting", Pharmaceutical Research, Vol. 10, No. 9, pp. 1253-1261 (1993).
2 3	Ruth DUNCAN et al., "Fate of N-(2-Hydroxypropyl)Methacrylamide Copolymers with Pendent Galactosamine Residues After Intravenous Administration to Rats", Biochimica et Biophysica Acta, Vol. 880, pp. 62-71 (1986).
2 4	Shuji KOJIMA et al., "Tissue Distribution of Radioiodinated Neoglycoproteins and Mammalian Lectins", Biol. Chem. Hoppe-Seyler, Vol. 371, pp. 331-338 (1990).
2 5	Grietje MOLEMA et al., "Neoglycoproteins as Carriers for Antiviral Drugs: Synthesis and Analysis of Protein-Drug conjugates", J. Med. Chem., Vol. 34, pp. 1137-1141 (1991).

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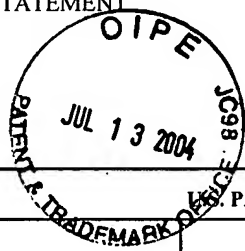
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P22518Serial No.  
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	6 4 3 6 9 1 2	08/20/02	INOUE et al			
	5 8 8 6 1 4 3	03-1999	THEODORE et al			
	5 8 1 4 6 5 6	09-1998	SAAVENDRA et al			
	5 8 4 6 9 7 4	12-1998	KALLMAN et al			
	6 3 4 0 4 6 1	01-2002	TERMAN			
	6 3 6 8 5 9 8	04-2002	D'AMICO et al			
2003 /	0 1 7 1 2 6 2	09/11/03	INOUE et al			

## FOREIGN PATENT DOCUMENTS

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6 2 4 3 7 7	11-1994	E.P.O			
9 8 / 1 9 7 0 5	05-1998	W.I.P.O			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	Kurisawa et al., J. Biomater Sci Polym Ed. 1997; 8(9):691-708.
2	Hashida et al. Targeted delivery of drugs and proteins to the liver via receptor-mediated endocytosis. Journal of Controlled Release. 1997, Volume 46, Page 129-137.
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